ervice Man

Mini Cassette

RQ-L315

Color

(K)..... Black Type

Area

Country Code	Areas	Color
[P]	U.S.A.	(K)

Mini Cassette Recorder



RQ-310 MECHANISM SERIES (SG-10) **SPECIFICATIONS**

Power Requirement:

Battery; 3V (Two R6/LR6, "AA" size

batteries)

AC; with optional Panasonic

Power Output:

400mW (R.M.S. max)

Frequency Response: 180~6,000Hz

Recording System:

Tape Speed:

Track System:

Motor:

AC Adaptor RD-9443HA

Electric governor motor

DC bias, Magnet erase

4.8cm/s (11/8ips)

2-tráck monaural recording and

playback

Weights and dimensions shown are approximate

Design and specifications are subject to change without notice.

Jacks:

Speaker:

Weight:

Dimensions:

Inpnt:

Output:

Program Time: 1 hour with C-60 cassette tape

Monitor; $(8 \Omega) \phi 3.5$

 $(3\,{}^3\!\!/_{\!8}\,{}''\times4\,{}^{13}\!\!/_{\!16}{}''\times1\,{}^{5}\!\!/_{\!16}{}'')$

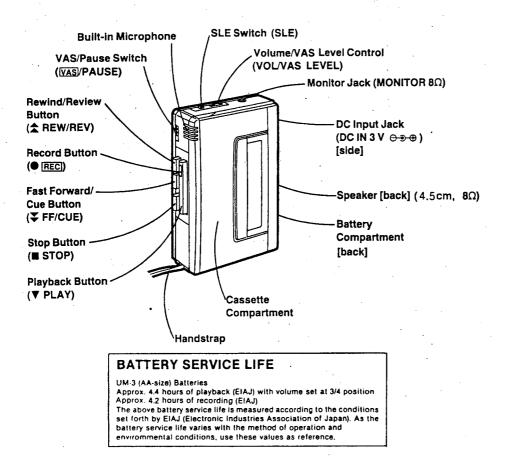
 $86(W) \times 121.5(H) \times 33.5(D)$ mm

216g (7.6oz), without batteries

 $1\frac{3}{4}$ " (4.5cm) PM dynamic speaker (8 Ω)

DC in; 3V

LOCATION OF CONTROLS AND COMPONENTS



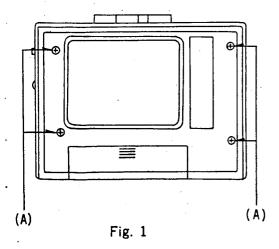
DISASSEMBLY INSTRUCTIONS

■Removal of the Rear Cabinet (Fig. 1)

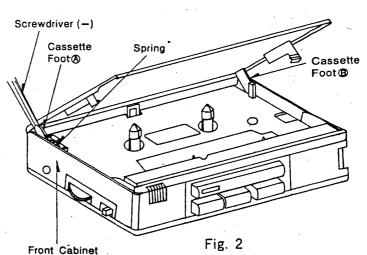
- 1. Remove screws (A) (2×10) mm.
- 2. Then remove panel from the unit.

■Removal of the Cassette Lid (Fig. 2)

- With a screwdriver, push cassette foot- in the direction of arrow .
- 2. Then pull out the foot after pushing the spring on the front cabinet.



Note: Keep all parts together for reassembly.

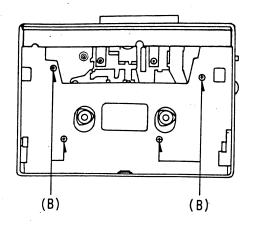


Note: When pushing the foots on the front cabinet with the screwdriver, do it with care.

RQ-L315 RQ-L315

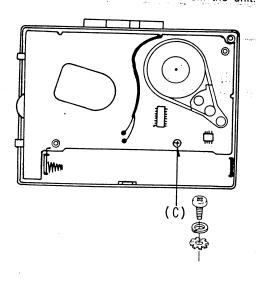
■Removal of the Front Cabinet (Fig. 3).

- 1. First remove screws (B) (1.7 × 4.5) mm X2
- 2. Then remove front cabinet.



■Removal of the Circuit board (Fig. 4).

- 1. Remove screw (C) (2×16) mm.X1
- 2. Then remove circuit board from the unit.



MEASUREMENTS AND ADJUSTMENTS

■ ALIGNMENT INSTRUCTION

READ THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING ALIGMENT

- 1. Make sure heads are clean.
- 2. Make sure capstan and pressure roller are clean.
- 3. Set volume control to maximum.
- 4. Set power source voltage to 3V DC.

■ ADJUSTMENT

ITEM	INPUT	MEASUREMENT POINT	SPECIFICATION	ADJUSTMENT POINT	REMARKS
Head azimuth	QZZCSX (6.3kHz,-10dB)	Monitor jack (8Ω)	Maximum output	Head adjustment screw (See Fig. 1)	For tape playback
Tape speed	QZZCWAT (3kHz,-10dB)	Monitor jack . (8Ω)	3000±60Hz	VR2 (Tape speed adjust- ment VR) (see Fig. 2)	For tape speed adjustment: (1) Play back test tape. (2) Adjust VR2 until a counter reading within the specified tolerances is obtained.

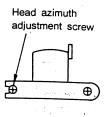


Fig. 1

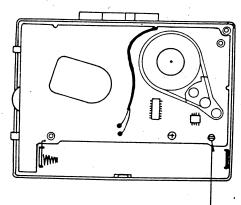
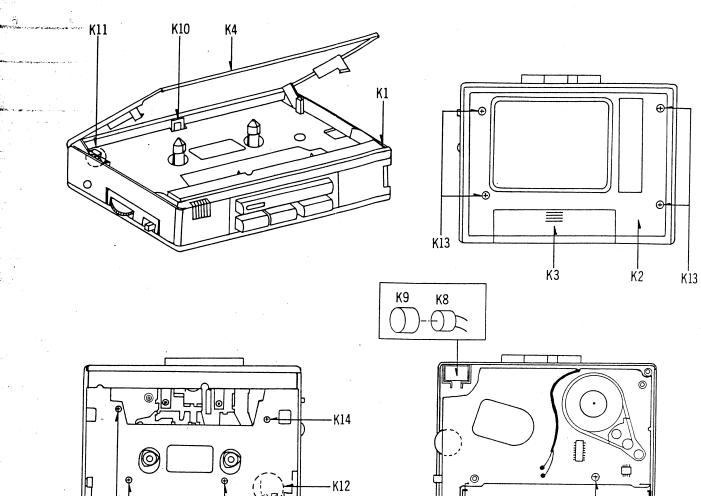


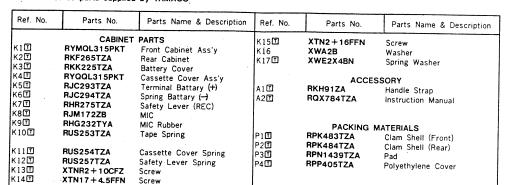
Fig. 2 VR2 (Tape speed adjustment VR)

CABINET PARTS LOCATION



■ REPLACEMENT PARTS LIST Indicates parts supplied by TAMACO

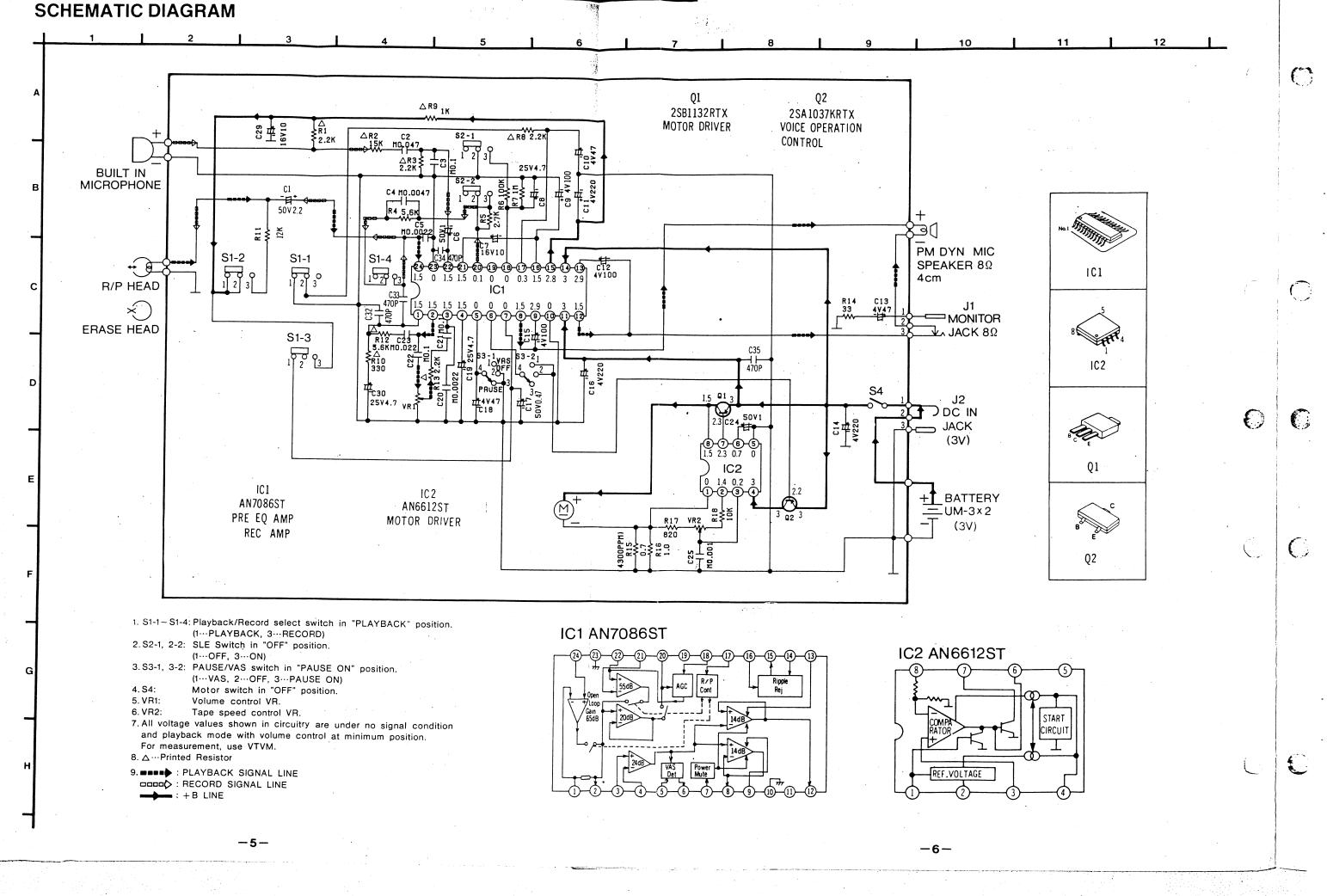
K14



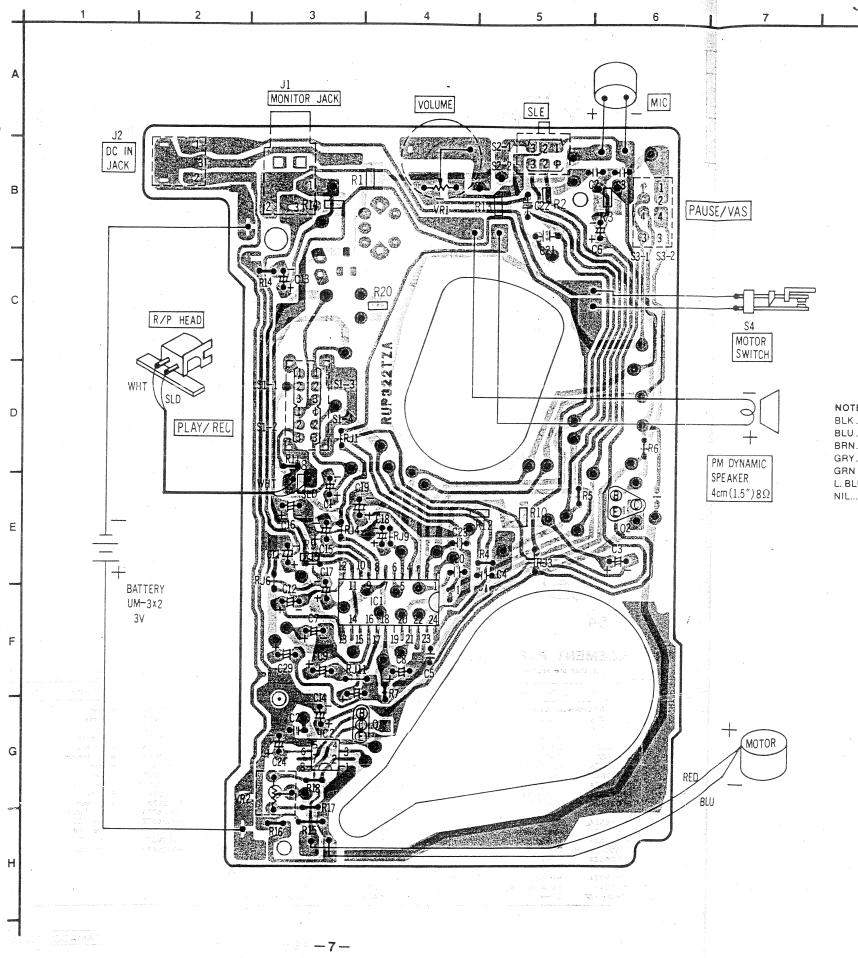
₩ K15 K5

●K17 **⇔**K16

RQ-L315 RQ-L315



CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM



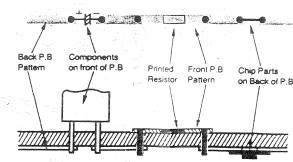
REPLACEMENT PARTS LIST

☐ Indicates parts that are supplied by TAMACO.

Ref. No.	Parts No.	Parts Name & Description	Ref. No.	Parts No.	Parts Name & Description	
INTEGR	ATED CIRCUIT, TR	ANSISTORS AND DIODES		SWI	TCHES	
IC1 🗆	AN7086ST	I.C. Power Driver	SID	RSH2D20YA-Q	R/P Switch	
IC2 T	AN6612ST	I.C. Motor Control	S2 🗓	RSS2B54X	Slide Switch (SLE)	
Q1	2SB1132RTX	Transistor	S3 □	RSS3B35YA-Q	Slide Switch (VAS)	
Q2 	2SA1037KRTX	Transistor	S4	RFA78ZA	Motor Switch	
VARIABLE RESISTOR			JACKS			
VR I 🗊	EVLHFAA06A14	V.R. Volume Control	J1	RJJD3M6ZB-C	Monitor Jack	
VR2団	EVNDXAA02B52	V.R. Tape Speed	J2	RJJB2Z	DC IN Jack	
	SPE	AKER	1			
SP①	EAS45P301T	Speaker				

NOTES:		
BLKBlack	ORG	Orange
BLUBlue	PNK	Pink
BRNBrown	RED	Red
GRYGray	SLD	Shield Wire
GRNGreen	VLT	Violet
L. BLULight Blue	WHT	White
NILNo Color	Mark YEL	Yellow

lo.			
CAPACITOR			
2R2			
MD			
MD			
2MD			
MD			
010			
100			
IR7			
101			
170			
221			
347			
MD			
2 2 2 2 2 2			



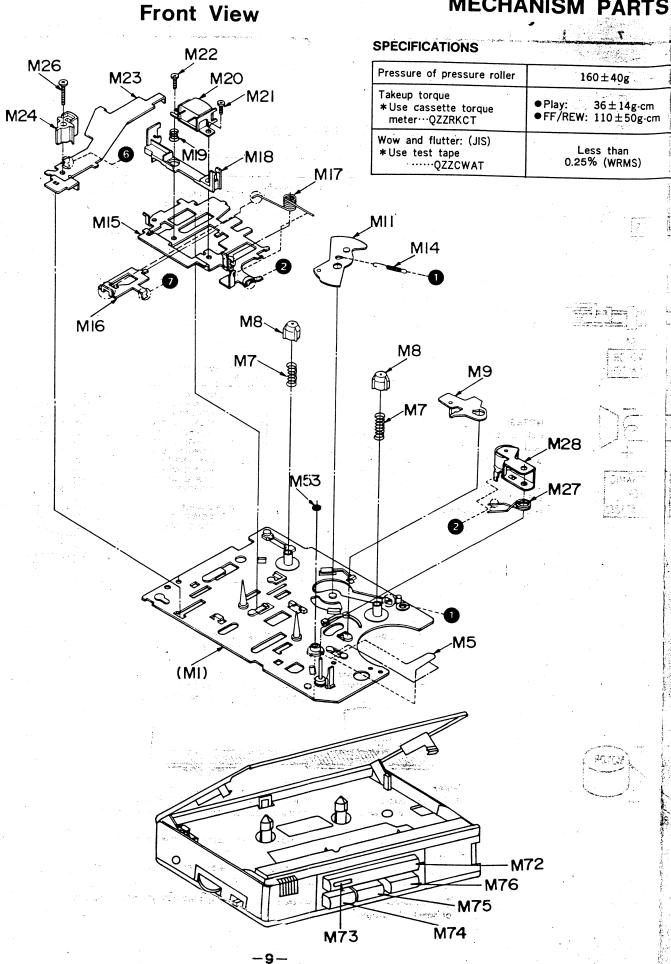
Notes:

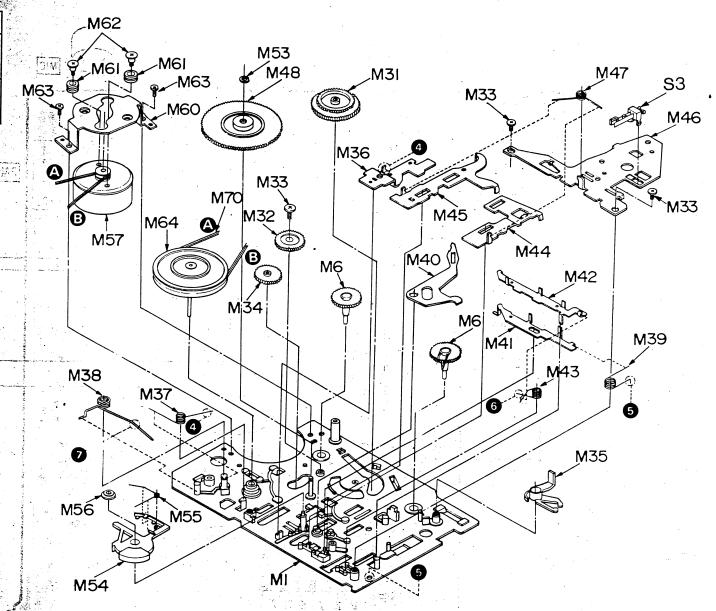
- 1. The symbols () shown in the circuit board indicate printed resistor.
- 2. The circuit shown in () on the conductor indicates printed circuit on the back side of the printed circuit board
- 3. The circuit shown in () on the conductor indicates printed circuit on the front side of the printed circuit board.
- 4. The symbols (a) shown in the circuit board indicate connection points between conductors on the front side and back side of the circuit board.
- eThis circuit board diagram may be modified at any time with the development of new technology.

RQ-L315 RQ-L315

MECHANISM PARTS LOCATION

Rear View





■ REPLACEMENT PARTS LIST 1 Indicates parts that are supplied by TAMACO.

Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description
		SM PARTS	M27	RFS697ZA	Spring	M53	RFN202ZA	Washer
41	RFU115ZA	Chassis Ass',	M28	RFR43ZA	Pinch Roller Ass'y	M54	RFY784ZA	AS Lever
15	RFS692ZA	Spring	IM31	RFG101ZA	Center Gear	M55	RFS703ZA	Spring
16	RFG100ZA	Reel Gear	M32	RFG102ZA	FF Gear	M56	RFX154ZA	Gear Bush
7 .	RFS693ZA	Spring	M33	RFE304Z	Screw	M57 1	RFM113ZA	Motor Ass'y
8	RFJ69ZA	Reel	M34	RFG103ZA	Play Gear	M60	RFD320ZA	Motor Bracket
9	RFD318ZA	Play Gear Plate Ass'y	M35	RFY777ZA	Rec Arm	M61	RFI48ZA	Rubber
11	RFY775ZA	Gear Lever Ass'y	M36	RFY778ZA		M62	RFE366ZA	Screw
14	RFS694ZA	Spring	M37	RFS698ZA	Spring	M63	XQN16+CF3	Screw
15	RFU116ZA	Head Base	M38	RFS699ZA	- <u>-</u> 1	M64	RFF50ZA	Flywheel
16	RFD319ZA	Play Plate				M70	RFB81ZA	Motor Belt
		· .	M39,	RFS700ZA	Spring	M72 🗉	RBC262TY	Button Play
17	RFS695ZA	Spring	M40	RFY779ZA	F, R Lever	M731	RBC263TZ	Button REC
18	RFE362ZA	Head Guide	M41	RFY780ZA		M74 🗊	RBC264TY	Button REW
بوستور 19	RFS696ZA	Spring	M42	RFY781ZA		M75 🗊	RBC265TY	Button FF
201	RJH0C03YYAB	R/P Head	M43	RFS784ZA		M76 T	RBC266TY	Button Stop
21 22	RFE363ZA	Screw	M44	RFY782ZA	REW Lever			Datton Stop
	RFE364ZA	Screw	M45	RFY783ZA	FF Lever			•
23	RFY776ZA	Rec Lever	M46	RFE367ZA	Lever Guide			
24	RFH17ZA	Earse Head Ass'y	M47	RFS702ZA	Spring			
26	XQN2+10F	Screw	M48	RFG104ZA	Friction Gear Ass'y			•